

Redwood Business Building and Technology Building
Salt Lake Community College
Chiller Removal
4600 South Redwood Road
Salt Lake City, Utah

1. ON THE CHILLED WATER PIPING SYSTEM. DRAIN ONLY THE WATER FROM THE SYSTEM REQUIRED FOR DEMOLITION. AT COMPLETION OF DEMOLITION, FILL THE CHILLED WATER SYSTEM WITH TREATED WATER. WATER TREATMENT COMPANY SHALL BE POWER ENGINEERING.
2. ON PIPING SYSTEMS BEING DEMOLISHED, REMOVE PIPE, FITTINGS, VALVES, INSULATION, ETC.
3. IF CONTRACTOR ENCOUNTERS MATERIALS WHICH MAY CONTAIN ASBESTOS, STOP WORK IN THAT AREA AND NOTIFY OWNER.

PROJECT ENGINEER: VAN BOERUM & FRANK ASSOCIATES, INC.
330 SOUTH 300 EAST
SALT LAKE CITY, UT 84111
(801) 530-3148

ELECTRICAL ENGINEER: THOMAS & KOLKMAN ENGINEERING, INC.
64 WEST 1700 SOUTH
SALT LAKE CITY, UT 84115
(801) 484-8161

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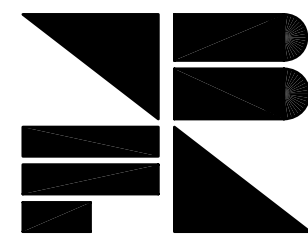
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KEYED NOTES



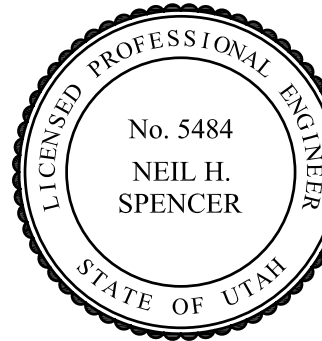
VAN BOERUM

& FRANK

ASSOCIATES INC.

CONSULTING ENGINEERS

330 SOUTH 300 EAST
SALT LAKE CITY, UT 84111
801.530.3148 ofc
801.530.3150 fax
http://www.vbfa.com



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REVISIONS

VBFA PROJECT #: 6274
CHECKED BY: Nspencer
DRAWN BY: Ejuarez
CURRENT BID DATE: 12/14/06

SHEET CONTENTS

TECHNOLOGY BLDG.
MECHANICAL
DEMOLITION PLAN

M-101

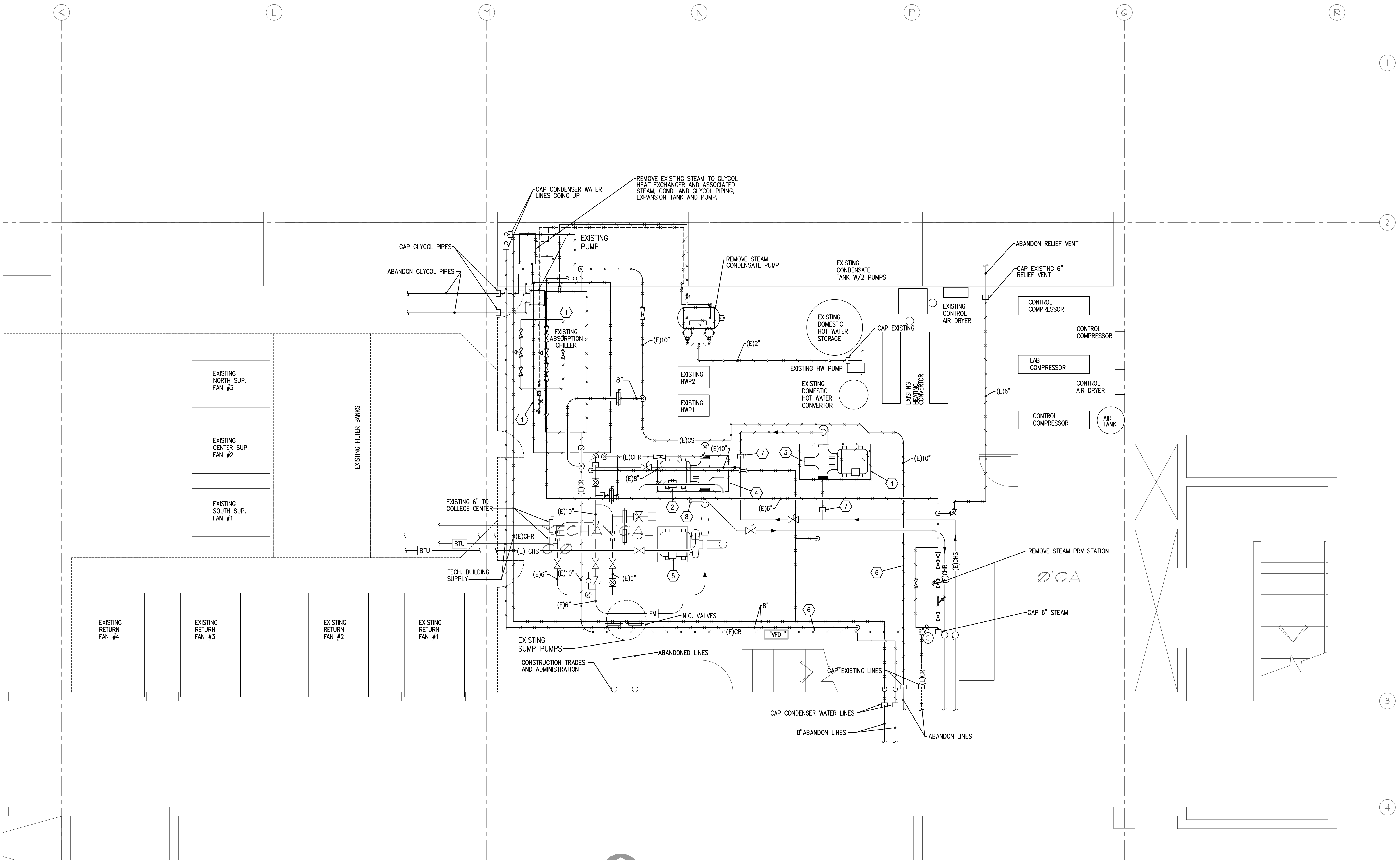
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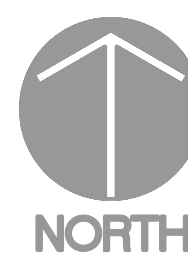
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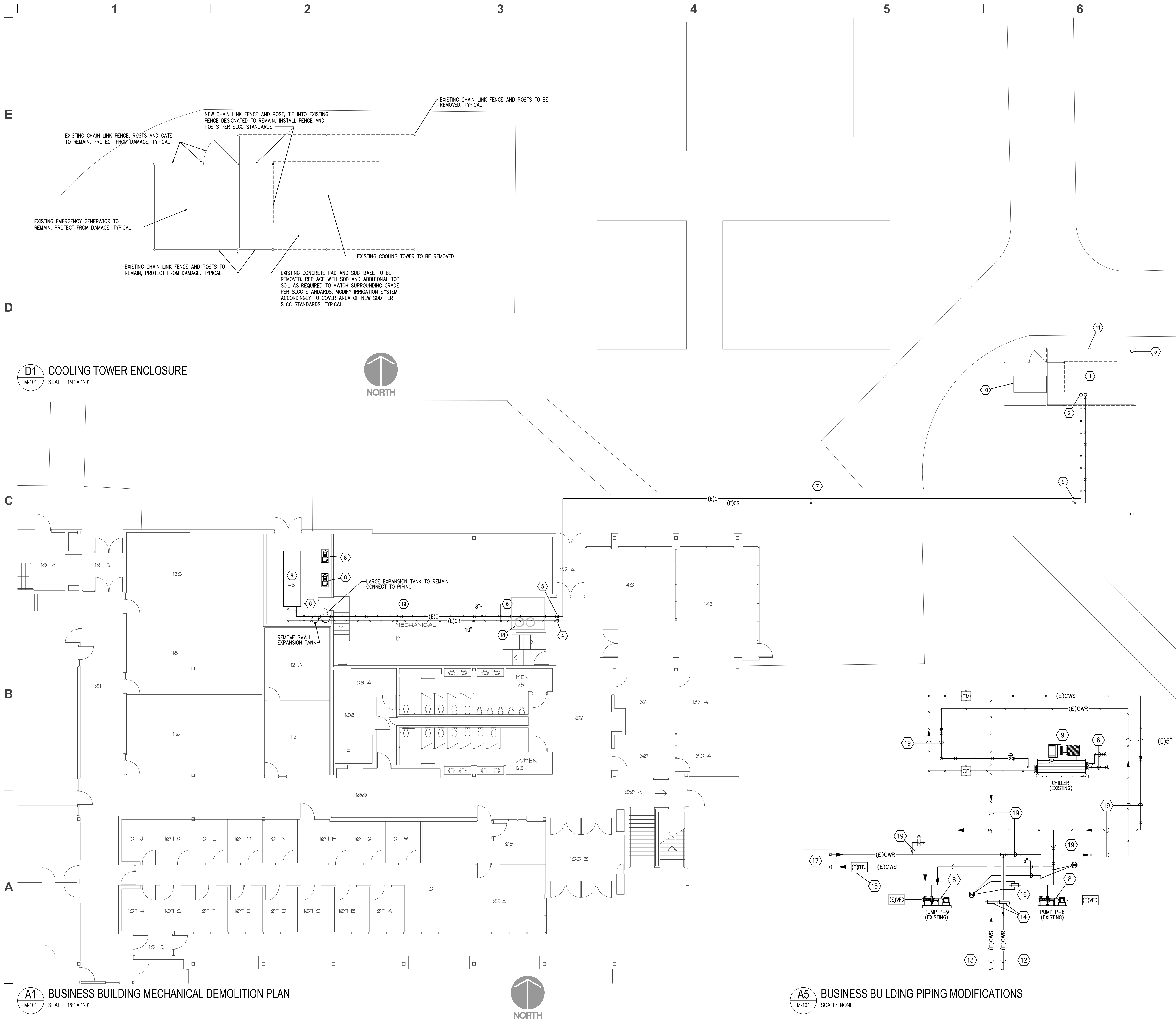
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A1 TECHNOLOGY BUILDING MECHANICAL DEMOLITION PLAN

M-101 SCALE: 1/4\"= 1'-0\"





KEYED NOTES

- 1 REMOVE EXISTING COOLING TOWER.
- 2 EXISTING CONDENSER WATER PIPING TO BE REMOVED TO HORIZONTAL RUNS BELOW GRADE. CAP HORIZONTAL RUNS AT ENDS.
- 3 EXISTING HYDRANT. REMOVE TO HORIZONTAL BELOW GRADE. CAP AT SOURCE IN TUNNEL.
- 4 REMOVE MAKE UP WATER LINE AND VALVES. CAP AT SOURCE.
- 5 CAP CONDENSER WATER LINES IN TUNNEL.
- 6 REMOVE CONDENSER WATER LINES IN MECHANICAL ROOMS.
- 7 EXISTING CONDENSER WATER LINES IN TUNNEL TO REMAIN.
- 8 IN CHILLER ROOM THE TWO EXISTING CHILLED WATER PUMPS ARE TO REMAIN. THEY SHALL BE RE-PIPED AS PRIMARY AND STANDBY TO SUPPLY FAN UNIT COOLING COIL WITH CHILLED WATER FROM CAMPUS CHILLED WATER LOOP.
- 9 REMOVE CHILLER AND EXISTING CHILLED WATER PIPING IN CHILLER ROOM. RECONNECT LOOP PIPING TO SERVE PUMPS AND AIR HANDLER COOLING COIL. VALVES AND FLOW METER SHALL BE SALVAGED AND GIVEN TO OWNER. CHILLER MANUFACTURER (CARRIER) SHALL REMOVE R-11 REFRIGERANT.
- 10 EXISTING TRANSFORMER.
- 11 EXISTING CHAIN LINK FENCE. SEE 1/4 SCALE PLAN.
- 12 EXISTING CWR MAIN. FIELD VERIFY.
- 13 EXISTING CWS MAIN. FIELD VERIFY.
- 14 NEW MAINTENANCE VALVES. 6" FIELD VERIFY SIZE.
- 15 EXISTING BTU METER TO BE USED TO METER BUSINESS BUILDING FAN UNIT.
- 16 NEW BYPASS VALVE LOCATION N.C.
- 17 BUSINESS BUILDING COOLING COIL.
- 18 REMOVE EXISTING CONDENSER WATER PUMP. SALVAGE TO OWNER AND WARRICK CONTROL. BOLT STEEL PLATES OVER OPENINGS. CLEAN OUT SUMP.
- 19 EXISTING CHILLED WATER LINES TO BE REMOVED.



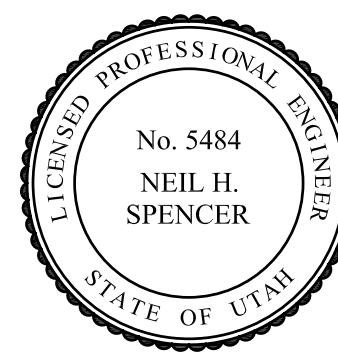
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& FRANK

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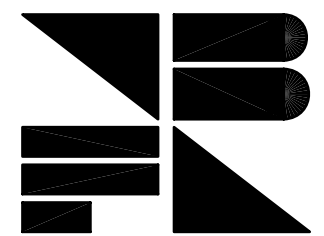
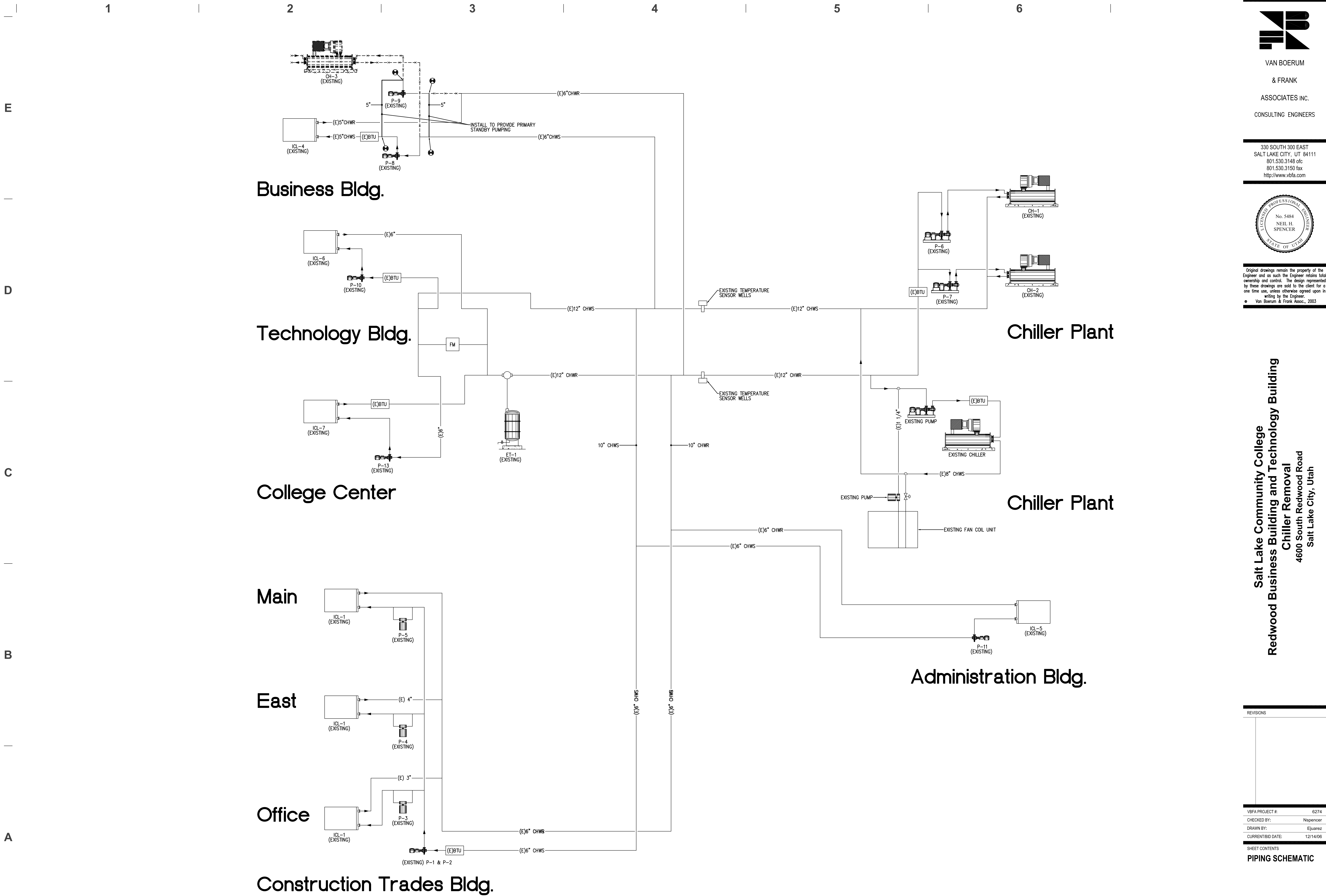
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VBFA PROJECT #: 6274
CHECKED BY: Nspencer
DRAWN BY: Ejuarez
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SHEET CONTENTS

BUSINESS BLDG.
MECHANICAL
DEMOLITION PLAN

M-102



VAN BOERUM
& FRANK
ASSOCIATES INC.
CONSULTING ENGINEERS

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SALT LAKE CITY, UT 84111
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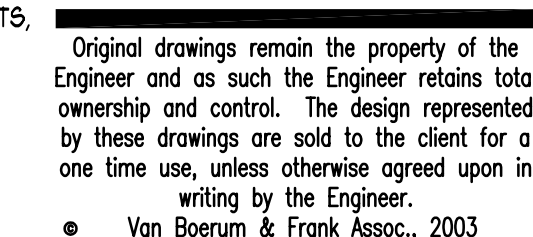
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PIPING SCHEMATIC

330 SOUTH 300 EAST
SALT LAKE CITY, UT 84111
801.530.3148 ofc
801.530.3150 fax
<http://www.vbfa.com>



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VBFA PROJECT #:	8274
CHECKED BY:	R.G. Kolkman
DRAWN BY:	W.B. GRANDY
CURRENT/RID DATE:	12/13/06

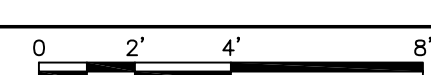
**TECHNOLOGY BLDG.
ELECTRICAL
DEMOLITION PLAN**

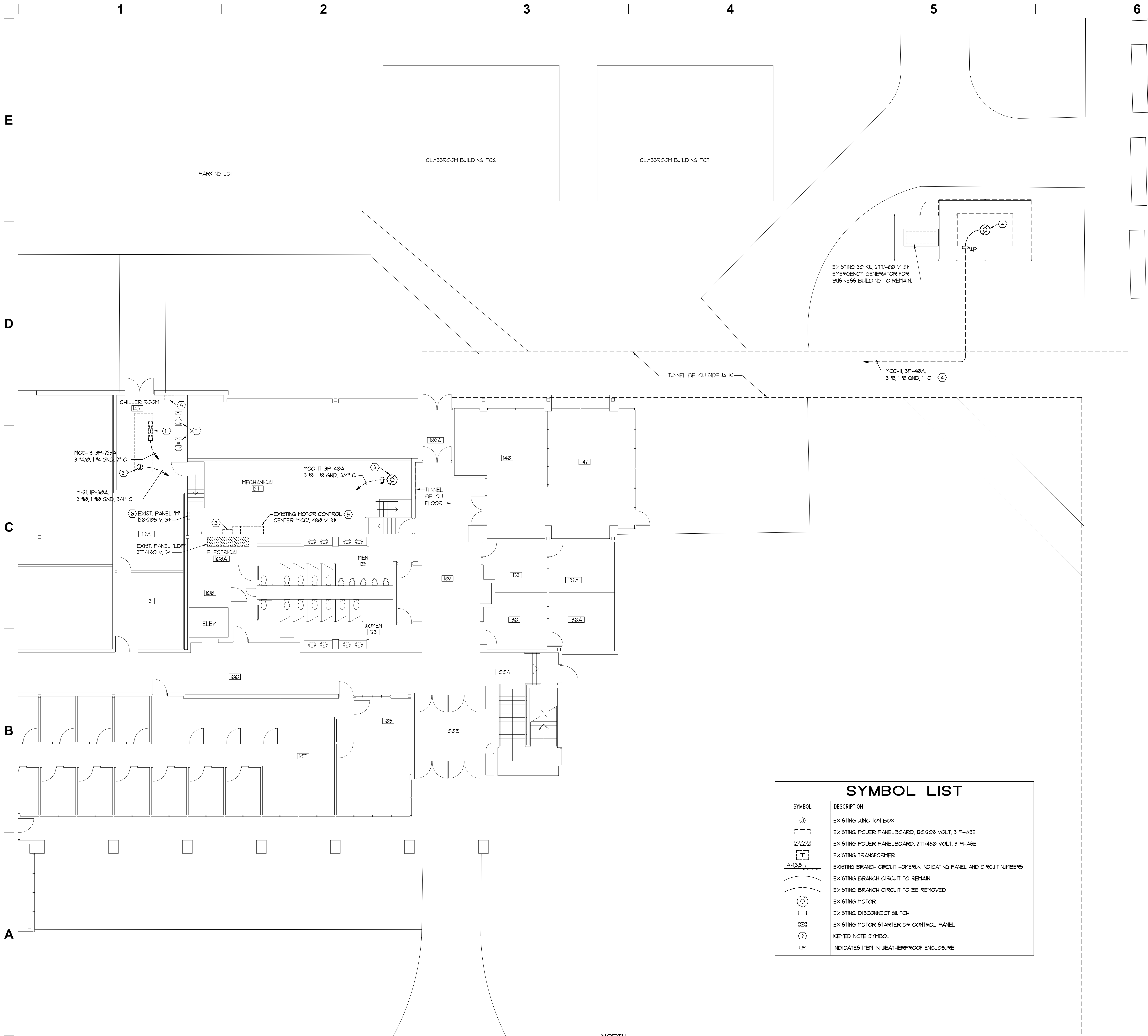
ED101

2. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING AND TUNNELS. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

⑩ EXISTING STARTERS AND BREAKERS IN 'MCC' SERVING REMOVED EQUIPMENT ARE TO REMAIN IN PLACE AND BE TURNED OFF. PROVIDE NEW ENGRAVED NAMEPLATE TO INDICATE "SPARE"

AI **TECHNOLOGY BUILDING ELECTRICAL DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"



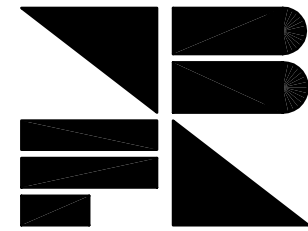


GENERAL ELECTRICAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING AND TUNNELS. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
3. SEAL OPENINGS CREATED IN EXISTING WALLS BY REMOVAL OF EXISTING CONDUIT WITH WATERPROOF NON-SHRINK GROUT, OR OTHER MEANS SUITABLE FOR WALL TYPE, AS APPROVED THE PROJECT ENGINEER, AND PAINT WALLS TO MATCH EXISTING WALL WHERE REQUIRED. EXTEND PAINTING TO LOGICAL BREAK POINT SUCH AS WALL CORNER AND/OR CEILING.

KEYED NOTES:

1. REMOVE EXISTING ELECTRICAL SERVICE TO EXISTING CHILLER TO BE REMOVED INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, DISCONNECTS, ETC.
2. REMOVE EXISTING ELECTRICAL SERVICE TO EXISTING CHILLER OIL HEATER INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, DISCONNECTS, ETC.
3. REMOVE EXISTING ELECTRICAL SERVICE TO EXISTING CONDENSER WATER PUMP TO BE REMOVED INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, DISCONNECTS, ETC.
4. REMOVE EXISTING ELECTRICAL SERVICE TO EXISTING COOLING TOWER TO BE REMOVED INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, DISCONNECTS, ETC. EXISTING UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE WITH ALL WIRING REMOVED. REMOVE ALL ACCESSIBLE CONDUIT IN TUNNEL.
5. EXISTING STARTERS AND BREAKERS IN MCC SERVING REMOVED EQUIPMENT ARE TO REMAIN IN PLACE AND BE TURNED OFF. PROVIDE NEW ENGRAVED NAMEPLATE TO INDICATE "SPARE".
6. PROVIDE NEW TYPEWRITTEN CIRCUIT INDEX FOR EXISTING PANELBOARDS TO REFLECT ALL CHANGES IN CIRCUITING.
7. EXISTING BUSINESS BUILDING CHILLED WATER PUMPS TO REMAIN. SHOWN FOR REFERENCE ONLY.
8. EXISTING VARIABLE FREQUENCY DRIVES FOR CHILLED WATER PUMPS TO REMAIN. SHOWN FOR REFERENCE ONLY.



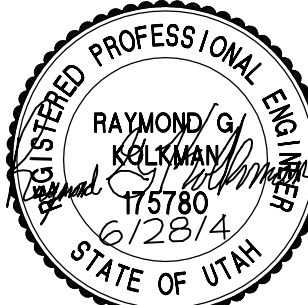
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SYMBOL LIST

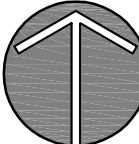
SYMBOL	DESCRIPTION
Ⓢ	EXISTING JUNCTION BOX
□ □ □	EXISTING POWER PANELBOARD, 120/208 VOLT, 3 PHASE
□ □ □ □	EXISTING POWER PANELBOARD, 211/480 VOLT, 3 PHASE
□ T □	EXISTING TRANSFORMER
A-13B-7	EXISTING BRANCH CIRCUIT HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
—	EXISTING BRANCH CIRCUIT TO REMAIN
- - -	EXISTING BRANCH CIRCUIT TO BE REMOVED
Ⓢ	EXISTING MOTOR
□ □ □	EXISTING DISCONNECT SWITCH
Ⓢ	EXISTING MOTOR STARTER OR CONTROL PANEL
①	KEYED NOTE SYMBOL
WP	INDICATES ITEM IN WEATHERPROOF ENCLOSURE

BUSINESS BUILDING ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

NORTH



REVISIONS

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BUSINESS BLDG.
ELECTRICAL
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ED102